

**10/575344**

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### **JAPANESE / ENGLISH TRANSLATION OF**

**Source: Japanese Patent Office (JPO)**

**Title: International Preliminary Report On Patentability for  
Japanese Patent Application JP 2004 – 015296 A**

**Your Ref #: 20060098 - 002**

**For: W.L. Gore & Associates, Inc.**

## PATENT COOPERATION TREATY

## PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY  
(Chapter II of the Patent Cooperation Treaty)(Article 12 of the Law, Article 56 of the Regulations under the Law)  
(PCT Article 36 and PCT Rule 70)

Applicant's or agent's file reference F04-016PCT	<b>FOR FURTHER ACTION</b> See Form PCT/IPEA/416	
International application No. PCT/JP2004/015296	International filing date ( <i>day/month/year</i> ) 08 October 2004	Priority date ( <i>day/month/year</i> ) 10 October 2003
International Patent Classification (IPC) or national classification and IPC Int. Cl. H01G 9/058 (2006. 01), H01G 9/016 (2006. 01), C09J 9/02 (2006. 01), C09J 11/04 (2006. 01)		
Applicant Japan Gore-Tex Corporation		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under PCT Article 35 and transmitted according to Article 57 of the Regulations under the Law (PCT Article 36).
2. This international preliminary examination report consists of a total of <u>5</u> pages, including this cover sheet.
3. This international preliminary examination report is also accompanied by the following attachments. <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> a total of _____ pages of attached documents.           <ul style="list-style-type: none"> <li><input type="checkbox"/> sheets of the specification, claims, and/or drawings, having been amended and forming the basis of this report and/or including rectifications authorized by the International Preliminary Examination Authority (see PCT Rule 70.16 and Section 607 of the Administrative Instructions).</li> <li><input type="checkbox"/> sheets containing amendments going beyond the scope of disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box, and sheets replacing same as recognized by the Authority.</li> </ul> </li> <li>b. <input type="checkbox"/> a total of _____ electronic media (indicate type and number of electronic media). Contains electronic copies of sequence listings and/or tables related thereto, as indicated in the Supplemental Box Relating to Sequence Listing (see No. 802 of the Administrative Instructions).</li> </ul>

1. This International Preliminary Examination Report contains the following:	
<input checked="" type="checkbox"/> Box No. I	Basis of International Preliminary Examination Report
<input type="checkbox"/> Box No. II	Priority
<input type="checkbox"/> Box No. III	Non-establishment of the international preliminary examination report with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/> Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/> Box No. V	Reasoned statement under PCT Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement.
<input checked="" type="checkbox"/> Box No. VI	Certain documents cited
<input type="checkbox"/> Box No. VII	Certain defects in the international application
<input type="checkbox"/> Box No. VIII	Certain observations on the international application

Date that request for International Search Report was received 19 July 2005	Date that this report was prepared 12 January 2006	
Name and mailing address of the IPEA Japanese Patent Office (IPEA/JP) Postal code: 100-8915 4-3 Kasumigaseki 3-chome Chiyoda-ku, Tokyo	Patent office examiner (authorized officer) Kiyoshi Kuwabara	SR 9375
		Telephone No.: 03-3581-1101 Ext. 3565

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## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.  
PCT/JP2004/015296

Box No. I	Basis of report
1.	<p>With regard to the language, this preliminary examination report is based on:</p> <p><input checked="" type="checkbox"/> the international application in the language in which it was filed</p> <p><input type="checkbox"/> a translation of the international application from the language in which it was filed into _____, which is the language of a translation furnished for the purposes of:</p> <p><input type="checkbox"/> international search (PCT Rules 12.3(a) and 23.1(b))</p> <p><input type="checkbox"/> international publication (PCT Rule 12.4(a))</p> <p><input type="checkbox"/> international preliminary examination (PCT Rules 55.2(a) or 55.3(a))</p>
2.	<p>This report was based on the following filing documents (<i>replacement sheets that have been submitted in response to protocol under Article 6 of the Law (PCT Article 14) are referred to in this report as "originally filed" and are not attached to this report</i>):</p> <p><input checked="" type="checkbox"/> the international application as originally filed</p> <p><input type="checkbox"/> the specification:</p> <p>page(s) _____ as originally filed</p> <p>page(s)* _____ received by this Authority on _____</p> <p>page(s)* _____ received by this Authority on _____</p> <p><input type="checkbox"/> the claims:</p> <p>no(s) _____ as originally filed</p> <p>no(s)* _____ as amended under PCT Article 19</p> <p>no(s)* _____ received by this Authority on _____</p> <p>no(s)* _____ received by this Authority on _____</p> <p><input type="checkbox"/> the drawings:</p> <p>page(s)/figure no(s) _____ as originally filed/furnished</p> <p>page(s)/figure no(s)* _____ received by this Authority on _____</p> <p>page(s)/figure no(s)* _____ received by this Authority on _____</p> <p><input type="checkbox"/> sequence listing(s) or any related table(s); see Supplemental Box relating to sequence listing.</p>
3.	<p><input type="checkbox"/> The amendments have resulted in the cancellation of the following documents:</p> <p><input type="checkbox"/> the description, page(s) _____</p> <p><input type="checkbox"/> the claims, no(s). _____</p> <p><input type="checkbox"/> the drawings, page(s)/figure(s) _____</p> <p><input type="checkbox"/> the sequence listing (<i>specify</i>): _____</p> <p><input type="checkbox"/> any table(s) related to sequence listing (<i>specify</i>): _____</p>
4.	<p><input type="checkbox"/> This report has been prepared as though the attached amendments (listed below) have not been made, which is because they are considered to go beyond the disclosed scope as filed, as indicated in the Supplemental Box (PCT Rule 70.2(c)).</p> <p><input type="checkbox"/> the description, page(s) _____</p> <p><input type="checkbox"/> the claims, no(s). _____</p> <p><input type="checkbox"/> the drawings, page(s)/figure(s) _____</p> <p><input type="checkbox"/> the sequence listing(s) (<i>specify</i>): _____</p> <p><input type="checkbox"/> any table(s) related to sequence listing (<i>specify</i>): _____</p>
<p>* If item 4 applies, those sheets may be marked "superseded."</p>	

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## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.  
PCT/JP2004/015296**Box No. V Reasoned statements under Article 12 of the Law (PCT Article 35(2)) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. Statement:**

Novelty (N)	Claims	_____ 1-19 _____	YES
	Claims	_____	NO
Inventive step (IS)	Claims	_____	YES
	Claims	_____ 1-19 _____	NO
Industrial applicability (IA)	Claims	_____ 1-19 _____	YES
	Claims	_____	NO

**2. Citations and explanations (PCT Rule 70.7):**

- Reference 1: JP 11-162787 A (Asahi Glass Co., Ltd.) 18 June 1999, claims, paragraphs [0023], [0033]-[0039], [0047]-[0052], and FIG. 1 (no patent family)
- Reference 2: JP 2001-307966 A (Asahi Glass Co., Ltd.) 02 November 2001, claims, paragraphs [0030]-[0035] (no patent family)
- Reference 3: JP 07-216330 A (Hokuriku Toryo KK) 15 August 1995, claims, paragraph [0016] (no patent family)
- Reference 4: JP 10-004037 A (Toyota Motor Corporation, Ltd.) 16 January 1998, claims, paragraphs [0008]-[00011], [0015]-[0017], FIG. 1 (no patent family)
- Reference 5: JP 11-154630 A (Japan Gore-Tex Corporation, Ltd.), 08 June 1999, full text, all drawings  
Also: EP 0917166 A2, and US 6359769 B1

**Claims 1-19:**

In Document 1, as cited in the International Search Report, a polarizable electrode sheet is integrated with a surface of an etched collector via a conductive intermediate layer and pressurized. In the electrical double layer capacitor electrode that is described, the conductive intermediate layer (conductive adhesive) contains a resin component comprising styrene-butadiene rubber and a carbonaceous material such as carbon black or graphite.

It is stated in Document 2 that graphite and carbon black are used as conducting materials in a conductive adhesive for an electrical double layer capacitor electrode used to join a collector and a polarizable electrode. It is stated in Document 3 that flaked graphite is used as a conducting material in an electrical double layer capacitor electrode.

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## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.  
PCT/JP2004/015296**Box No. VI Certain Documents Cited**

## 1. Certain published documents (PCT Rule 70.10)

Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
JP 2004-186218 A [P,X]	02 July 2004	29 November 2002	
JP 2004-296863 A [E,X]	21 October 2004	27 March 2003	

## 2. Non-written disclosures (PCT Rule 70.9)

Kind of non-written disclosure	Date of non-written disclosure (day/month/year)	Date of written disclosure referring to non-written disclosure (day/month/year)
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## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.  
PCT/JP2004/015296**Supplemental Box**

In case the space in any of the proceeding boxes is not sufficient.

Continuation of: Box V

It is stated in Document 4 that graphite particles having a size of several microns and carbon black having a particle size of several tens to several hundred nanometers are simultaneously used as conductive materials in order to reduce internal resistance.

There is described in Document 5 an electrically double layered capacitor electrode having a polarizable porous sheet integrated with a rough-surfaced collector via a conductive adhesive layer, wherein the pore diameter of the polarized porous sheet is 0.5 to 20  $\mu\text{m}$  and the porosity is 40 to 90%.

Therefore, patent claims 1 through 19 have no inventive steps.

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